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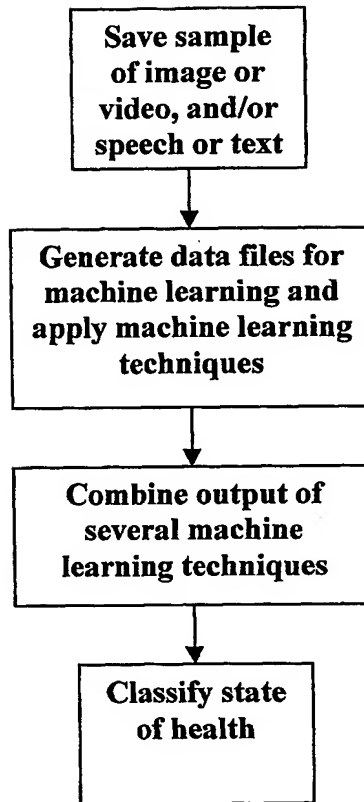


FIG 1

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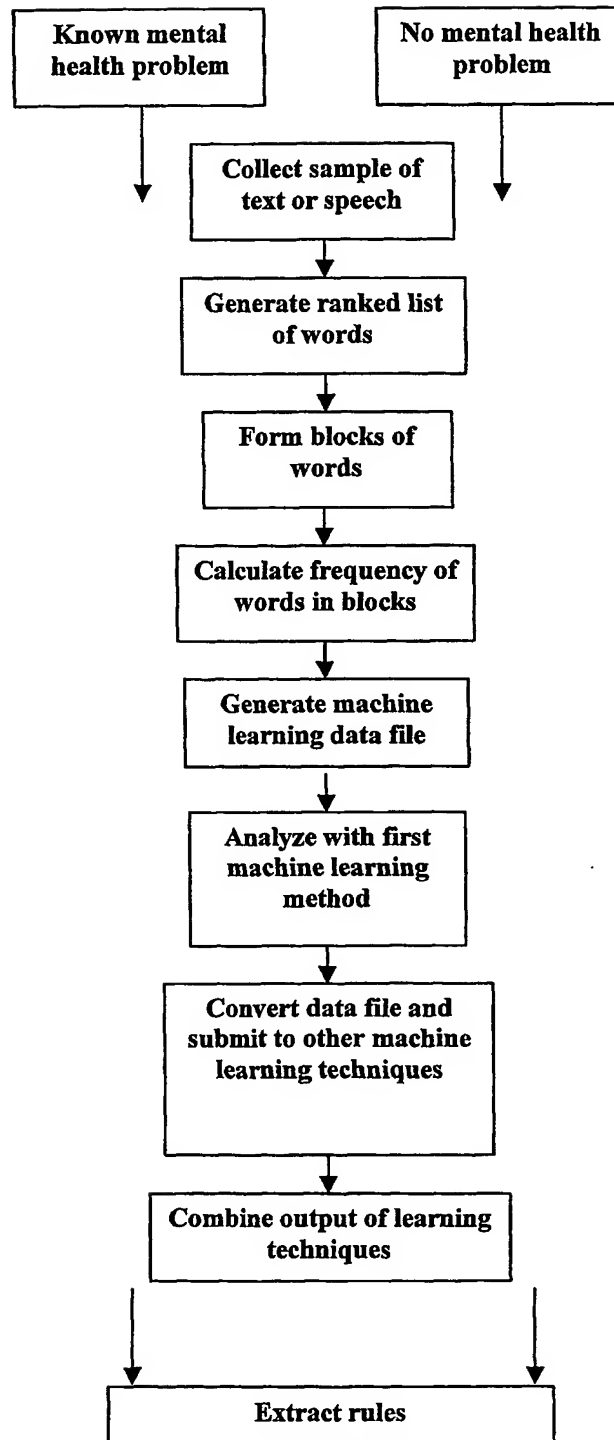


FIG 2

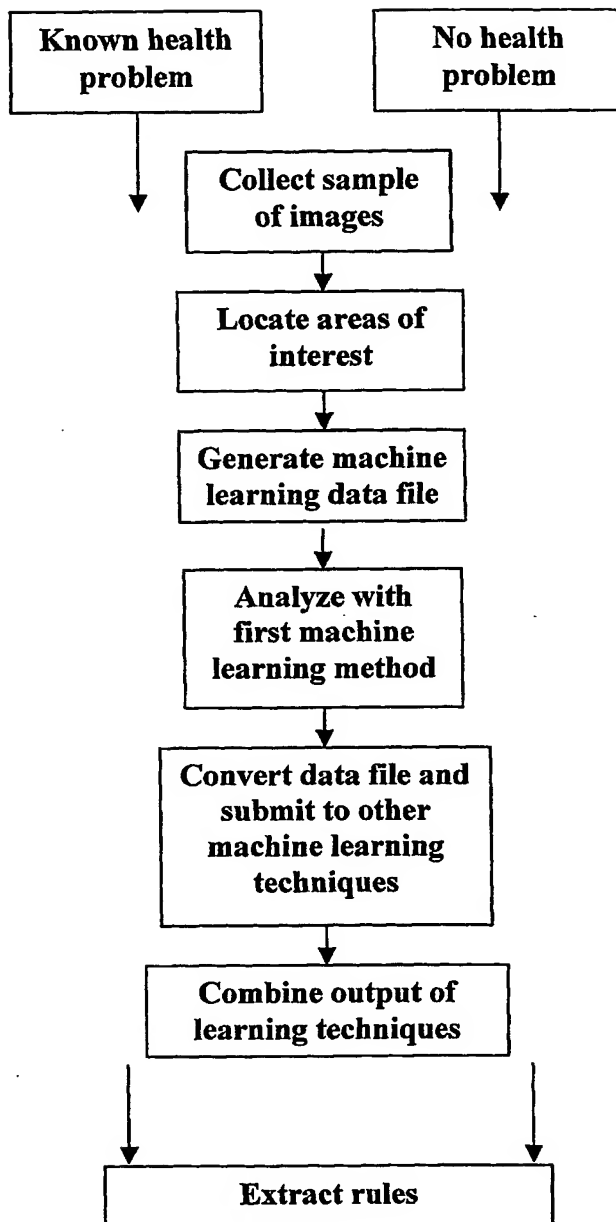


FIG 3

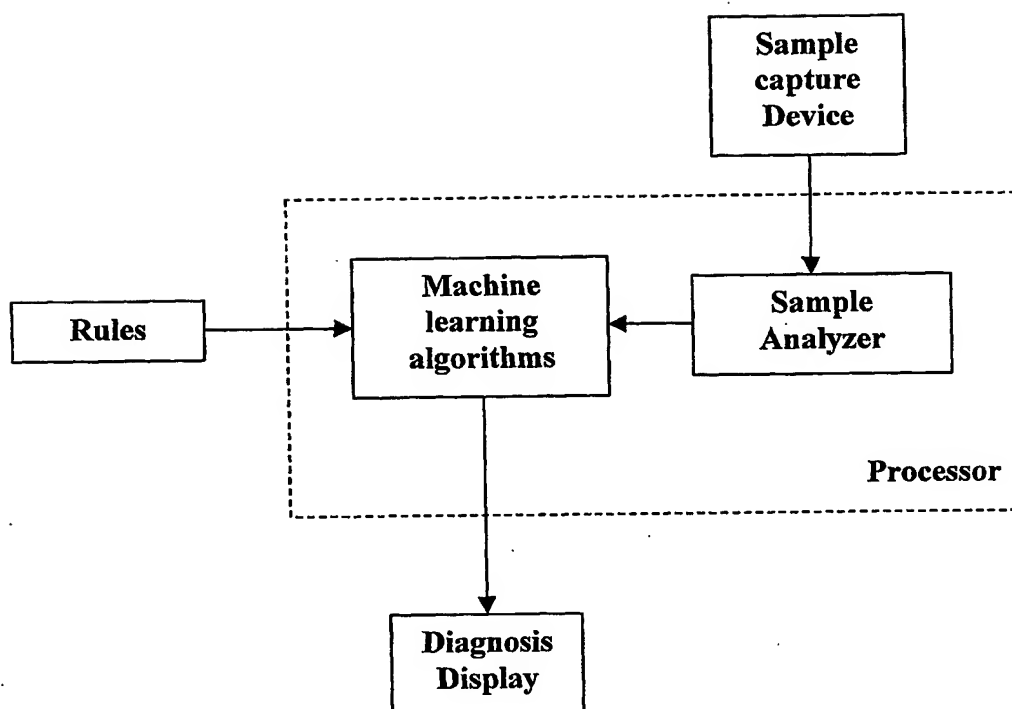


FIG 4

some people were having a barbecue while others were just having a picnic some were enjoying wine with their picnic or their barbecue while the children played soccer and others played other sorts of football there were even some people playing tennis dogs were running in the park pigeons were fluttering up a-a- above people were lying around on the grass and some people were sitting on on the bench there were trees everywhere not much of a story but I mean is that all you're supposed to do

FIG 5a

the park the trees swayed backwards and forwards in the park with the grass swaying in the breeze also there was a barbecue underneath the tree where people were o- on a picnic sitting on a bench with wine and a dog while a pigeon flew above with people playing soccer football and tennis nearby

FIG 5b

the park yeah in the park on the grass was a dog near the near a bench where we were having ourselves a picnic barbecue on the weekend we played some soccer and a small amount of football and looked at the pigeons among the trees we could have played tennis but we did not bother to and we drank a la- rather large amount of wine

FIG 6a

okay on saturday my friend and I took our dog Ben to the park and we set up our picnic gear in the barbecue area under the trees on the grass um while we were there we found some people playing soccer and football and we joined in with them when I came back to the picnic area there was a pigeon on the bench drinking my wine after we were finished our picnic we went home and played tennis

FIG 6b

Number	Word	Frequency
1	the	804
2	and	591
3	a	401
4	was	226
...		
23	Window	63
24	Tennis	61
25	Soccer	61
26	so	61
27	cake	60
....		
45	Barbecue	48
46	then	45
47	Is	42
48	out	42
49	Breeze	41
...		
140	Afternoon	12
141	coming	11
142	near	11
...		
197	Chocolates	7
198	found	7
199	large	7
...		
410	roasted	2
411	reason	2
...		
519	Council	2
520	lived	2
521	starting	2
522	without	2

FIG 7

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## sampleX

the,19,and,19,a,10,we,9,that,8,to,7,in,6,dog,6,of,5,with,5,decided,5,their,5,i  
 nto,4,all,4,have,3,for,3,little,3,not,3,car,3,after,3,was,3,park,3,as,3,had,3,so  
 ,3,would,2,afternoon,2,girls,2,barbecue,2,sunny,2,harassing,2,you,2,they,2  
 ,large,2,bus,2,seven,2,sunday,2,family,2,mini,2,threw,2,when,2,balls,2,alo  
 ng,2,but,2,picnic,2,tomato,1,adequately,1,some,1,scared,1,clothes,1,wine,  
 1,arguing,1,soccer,1,decide,1,boys,1,families,1,quite,1,during,1,chops,1,ev  
 erything,1,rather,1,packed,1,i,1,enjoy,1,wanted,1,him,1,tennis,1,place,1,do  
 lls,1,before,1,pigeons,1,steak,1,anyway,1,attack,1,three,1,poor,1,fact,1,tw  
 o,1,drove,1,up,1,footballs,1,much,1,kids,1,left,1,whereupon,1,people,1,she  
 pherd,1,least,1,pile,1,sausages,1,pacnac,1,well,1,goes,1,flock,1,piled,1,no  
 w,1,home,1,go,1,our,1,come,1,might,1,basket,1,need,1,recently,1,on,1,or,  
 1,other,1,jumped,1,especially,1,german,1,he,1,things,1,them,1,then,1,wer  
 e,1,last,1,play,1,down,1,kiddies,1,lunch,1,beautiful,1,took,1,meal,1,van,1,s  
 ort,1,ours,1,else,1,hullabaloo,1,back,1,my,1,tied,1,at,1,salad,1,because,1,  
 such,1,it,1,bottles,1

## sampleXX

the,21,and,13,to,9,park,7,we,7,our,6,a,5,her,4,in,3,afternoon,3,daughter,3,  
 very,3,you,3,by,3,that,3,which,3,was,3,dog,2,why,2,whereupon,2,would,2,  
 be,2,just,2,hospital,2,blanket,2,falling,2,proceeded,2,youngest,2,it,2,neare  
 st,2,of,2,not,2,at,2,so,2,back,2,down,2,my,2,he,2,on,2,after,2,while,2,wine,  
 2,look,2,everything,2,all,2,go,2,proved,1,tree,1,thought,1,young,1,stitched,  
 1,atmosphere,1,comfortably,1,tie,1,laved,1,rest,1,necessitated,1,rather,1,s  
 aid,1,first,1,i,1,had,1,laceration,1,with,1,pleasant,1,spread,1,wife,1,bottle,1,  
 enjoy,1,upon,1,up,1,shortly,1,reason,1,annoy,1,decided,1,doctor,1,children  
 ,1,pinched,1,there,1,eating,1,no,1,have,1,for,1,needs,1,competent,1,dolls,  
 1,promptly,1,older,1,us,1,picnic,1,well,1,out,1,enjoyable,1,off,1,fixed,1,con  
 ducive,1,played,1,bench,1,arriving,1,trees,1,corner,1,around,1,plopping,1,  
 manner,1,who,1,happy,1,leg,1,food,1,opened,1,traipsed,1,thereafter,1,trip,  
 1,still,1,else,1,lady,1,got,1,wrong,1,underneath,1,end,1,fast,1,interrupted,1  
 ,anybody,1,could,1,grass,1,left,1,asleep,1,placed,1,sit,1

FIG 8

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0.555, 0.370, 0.291, 0.211, 0.211, 0.000, 0.317, 1,-1.	class names
0.079, 0.132, 0.159, 0.000, 0.026, 0.026, 0.106, the:	continuous.
0.053, 0.000, 0.053, 0.053, 0.026, 0.026, 0.026, and:	continuous.
0.026, 0.026, 0.079, 0.026, 0.106, 0.026, 0.000, a:	continuous.
0.000, 0.026, 0.079, 0.132, 0.079, 0.053, 0.053, was:	continuous.
0.000, 0.026, 0.026, 0.106, 0.000, 0.026, 0.053, to:	continuous.
0.000, 0.053, 0.026, 0.000, 0.079, 0.026, 0.026, we:	continuous.
0.053, 0.053, 0.026, 0.132, 0.000, 0.053, 0.000, i:	continuous.
0.053, 0.053, 0.000, 0.000, 0.079, 0.026, 0.000, in:	continuous.
0.000, 0.000, 0.053, 0.000, 0.026, 0.000, 0.000, on:	continuous.
0.000, 0.000, 0.026, 0.000, 0.026, 0.053, 0.000, there:	continuous.
0.000, 0.026, 0.000, 0.000, 0.000, 0.000, 0.000, he:	continuous.
0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, of:	continuous.
0.000, 0.053, 0.000, 0.000, 0.000, 0.000, 0.000, that:	continuous.
0.000, 0.026, 0.000, 0.000, 0.079, 0.000, 0.053, it:	continuous.
0.026, 0.026, 0.000, 0.000, 0.000, 0.000, 0.053,	
0.026, 0.000, 0.000, 0.000, 0.000, 0.053, 0.000,	
0.000, ... -1	

FIG 9



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Decision tree:		Size	Errors
	forgot >= 0.026 (0.013): 1 (3)	0	4 33.3%
	forgot <= 0 (0.013):	1	5 25.0%
5	:...think >= 0.025 (0.0125): 1 (2)	2	5 25.0%
	think <= 0 (0.0125):	3	7 25.0%
	:...should >= 0.027 (0.0265): 1 (3)	4	5 25.0%
	should <= 0.026 (0.0265):	5	5 25.0%
	:...you <= 0.032 (0.057): -1 (25)	6	5 0.0%
	you >= 0.082 (0.057): 1 (2)	7	6 25.0%
		8	5 25.0%
		9	6 25.0%
Evaluation on hold-out data (4 cases):			
Decision Tree		Mean	5.3 23.3%
		SE	0.3 2.7%
Size	Errors	(a)	(b) <-classified as
5	0( 0.0%) <<	7	4 (a): class 1
		5	23 (b): class -1

FIG 10

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FIG 11



FIG 12

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